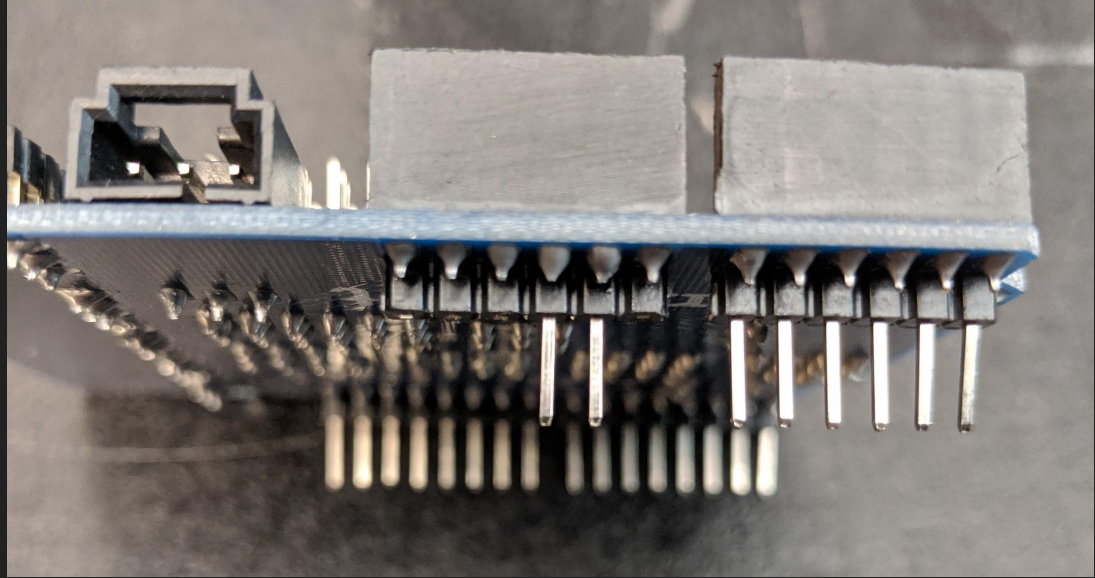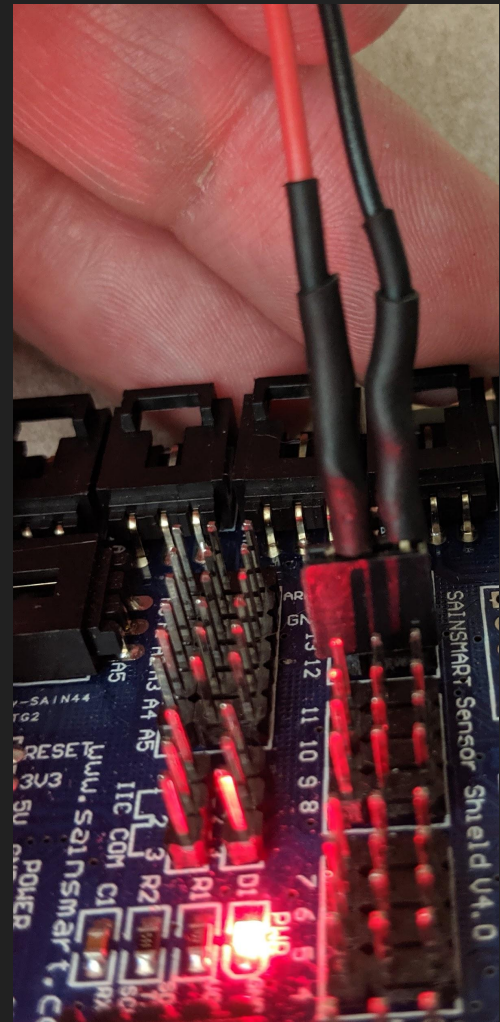# Single Servo Control over Serial

EGR 445/545

Pins

- servos will be powered with 6 volts
- we do not want 6V going to the Arduino
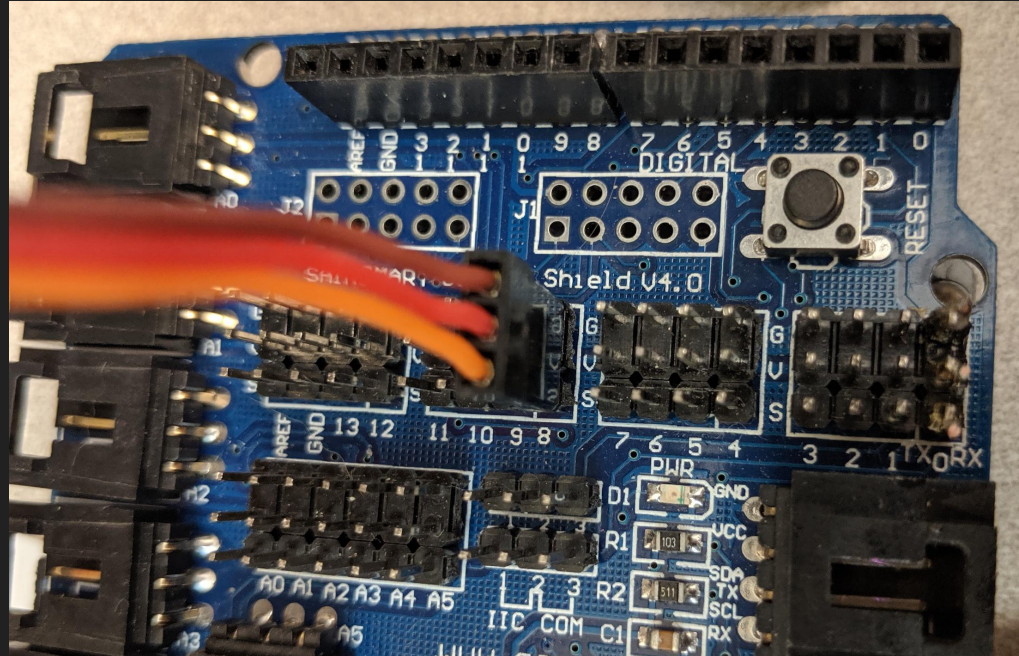- the shield pins for 3.3V, 5V, and Vin have been cut

Battery Packs

- Several different styles
- 4AAs
  - never more than 4!
- Black goes to G (ground) and red goes to V
- All G's are connected as a column
- All V's are connected as a column

Servo Connection

- ## Can connect to pretty much any pin
  - avoid 0 and 1
- ## Brown is ground, red is V, orange is S (signal)

Starter Code

https://drive.google.com/uc?export=download&id=1Kvop27pXiRk3xO0umbOBm4f1NZOP7nAq

Final Demo

- You are done when you can command the servo to move from 1000 to 2000 in a for loop in Python (Jupyter Notebook)